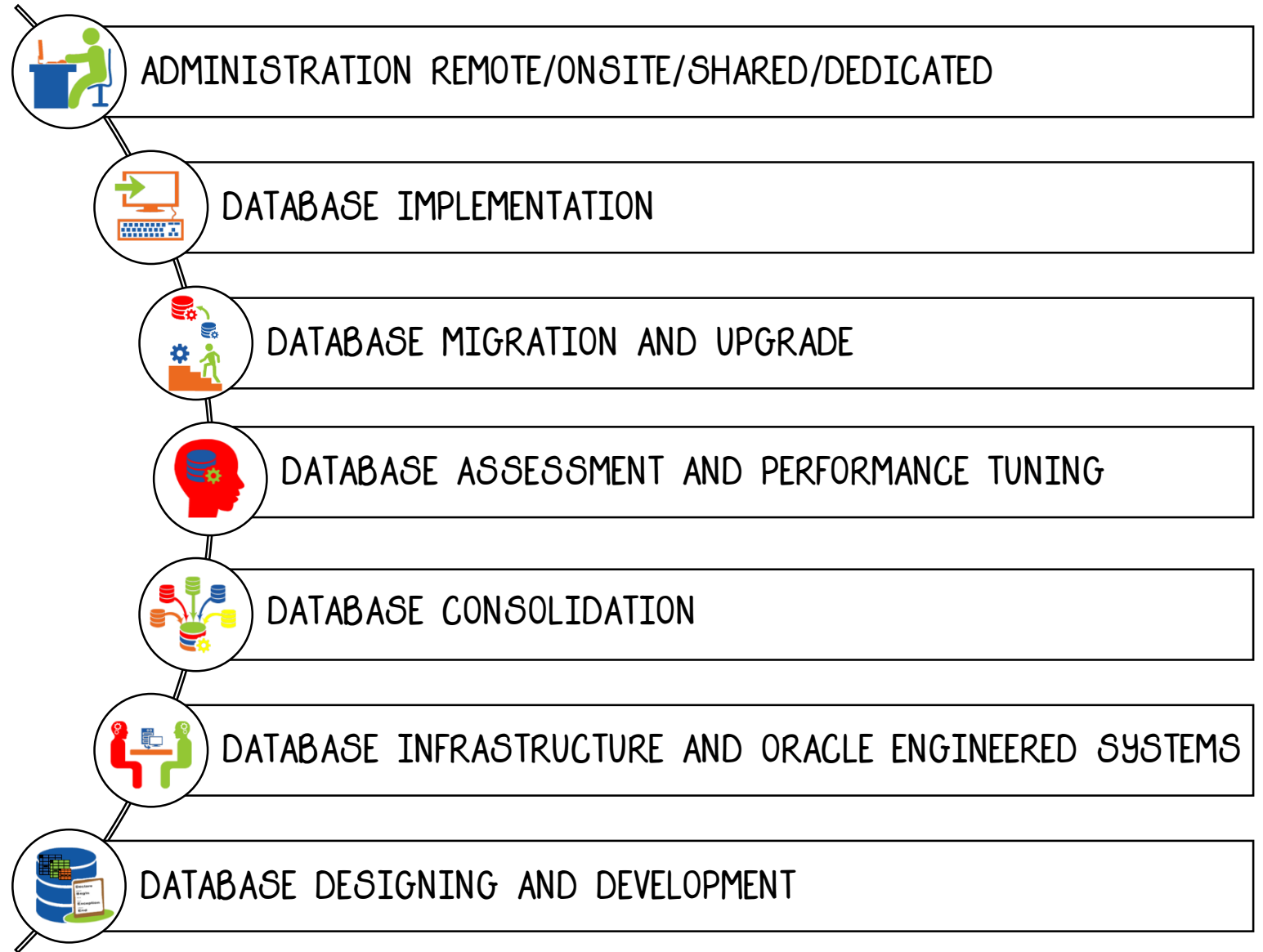




# Database

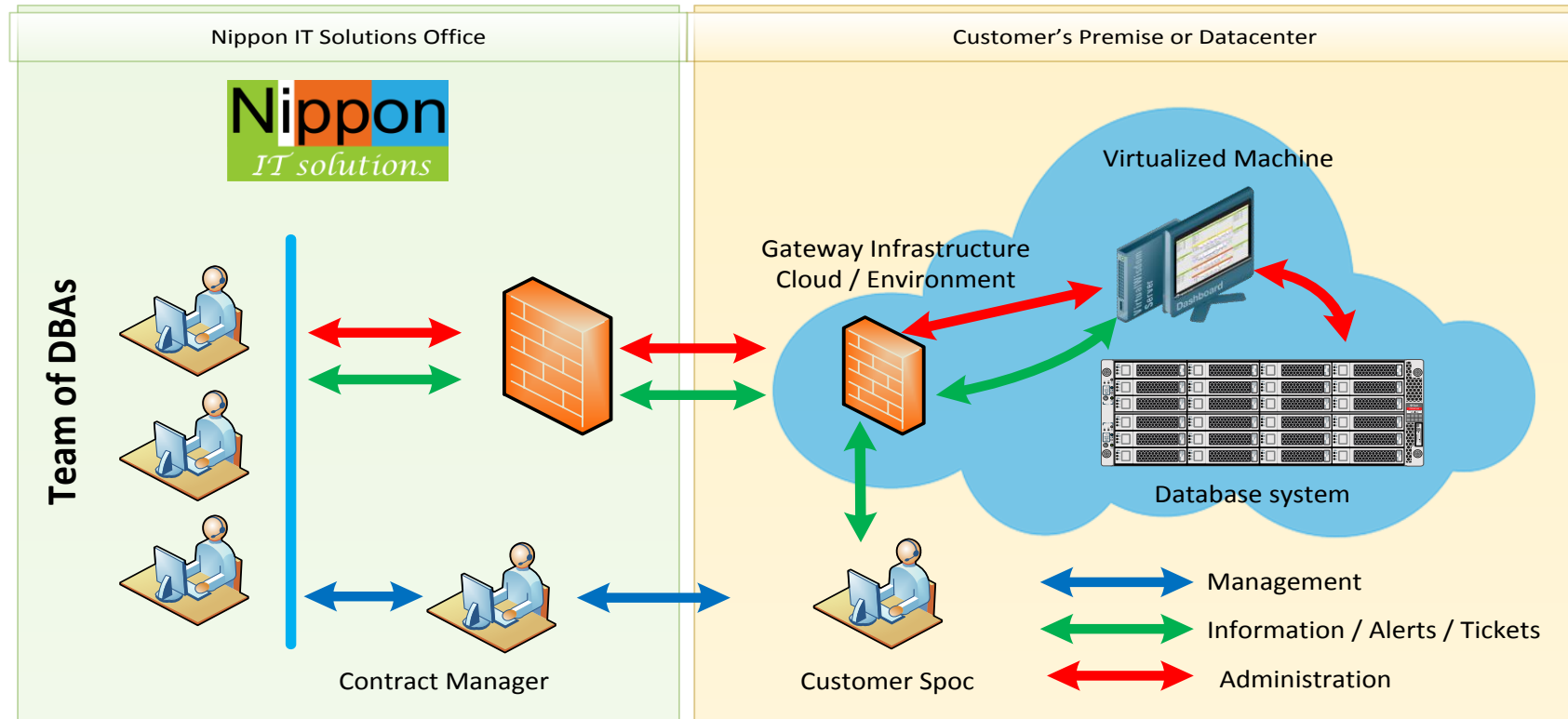


# Why DBA services from Nippon ITS?



- Round the clock DBA Availability
- Single point of contact for each shift.
- Experience and Expertise of team of DBAs at cost of 1
- Providing daily / weekly reports of database issues
- Solution for different Database Product under one roof.
- Industry Experience / Certified DBAs
- Strictly follows customer's security guidelines
- We maintain confidentiality of Customer data.
- Suggesting how can we get more out of existing infrastructure.

# Methodology – DBA Services



- Team of DBA will be getting tickets or requests and alerts from database systems.
- DBA will login to database environment using VPN service of client or infrastructure provider.
- DBA will access database system using virtual machine / Jump hosts in environment.
- All Required Approvals will be requested by Contract management team and approved by customer SPOC.

# Database Administration



- **Remote DBA** – From Nippon ITS locations
  - Dedicated Services – Dedicated Team of DBA Assigned
  - Shared Services – A team of DBA maintaining Multiple Client Database.
- **Onsite DBA** – At Client Side Dedicated DBA
- **On Demand – Vacation DBA** – For existing customers - if they need project based ramp up or when their primary DBA is on Vacation.
- **Staffing Services** – Provide DBA as Contract to Hire.

## Why Remote DBA?

- Saving in Infrastructure cost ,Recruitment , Training cost and payroll costs
- Multiple Shift resources taken care by us.
- SME available for inability of frontline DBAs
- Multiple platforms support.
- Multiple Products Support

## Why Dedicated DBA?

- Complex Projects or Development Setups
- High availability Requirements
- Walking support required by Client teams
- Unstable Environments
- Heterogeneous Environments
- Initial Implementation.
- One Dedicated DBA at onsite as point of contact.



## Implementation

### Our Approach



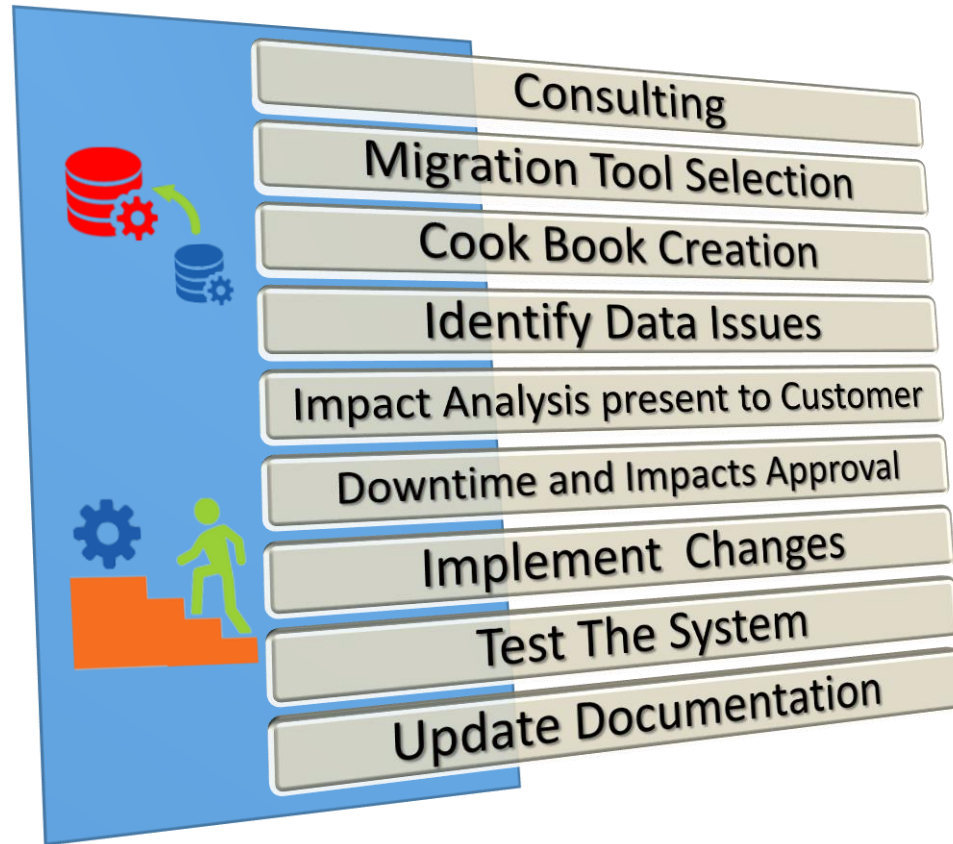
### Implementation Capabilities



- Basic Database Implementation.
- Heterogeneous connected Database systems.
- Golden Gate Setup for heterogeneous Environment for different Database products
- Physical or logical Standby Database system for oracle database.
- Real Application Clusters for Oracle Database.
- Clustered MYSQL Database implementation.
- Microsoft SQL Server Failover Database Implementation.
- Database As Services Implementation using Oracle Engineered system and Oracle Enterprise Manager 12c

# Migration and Upgrade

## Our Approach



## Capabilities

- Database version Upgrade
  - Oracle 9i to 12c
  - MySQL 5.x
  - Microsoft SQL Server 2000 to 2014
- Oracle Applications Upgrade
- Migrating environments to high-availability environments
- Migrating database to EXADATA
- Oracle Applications version Upgrades
- Zero downtime upgrades and Migration.



## Database Assessment

### Our Approach



### Why Database Assessment



- Installation using Default configuration
- Old backup Strategy
- Unused users in application database making it vulnerable.
- Change in Security Policies
- Evaluation of Stability of Databases

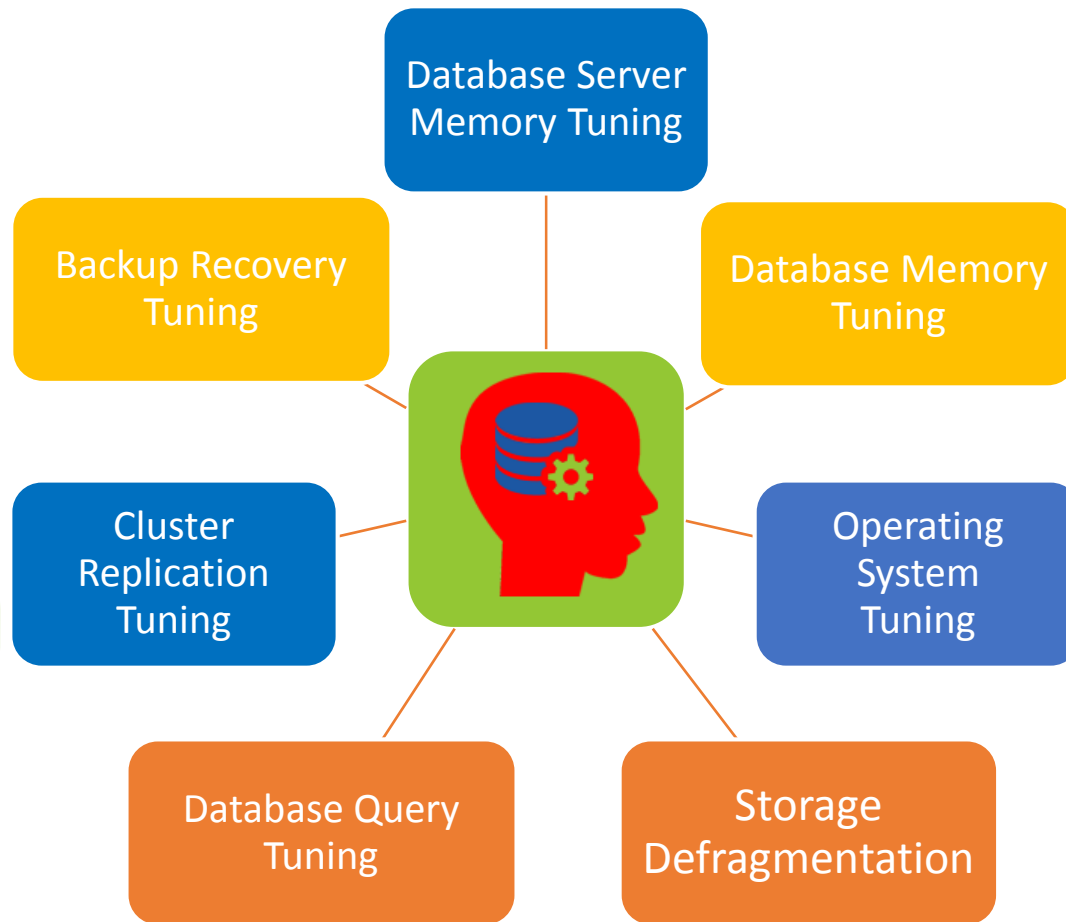
### Capability

- All versions of databases for Oracle / MYSQL / MSSQL
- Engineered Systems.
- Traditional Infrastructure.



# Database Performance Tuning

## Our Capability



## Do I need Performance tuning?



- Is your Application Users are raising requests for timeouts?
- Is your batch processes takes longer than usual.
- Have you upgraded your Database?
- Have you added more users and more functionalities on applications?
- Have you consolidated Schemas of different applications?

If answer to all these questions is YES .  
You need Performance Tuning Services.

# Database Consolidation – Business Drivers



- Bound to have better service levels due to Standardized infrastructure
- Higher up time
- during patching

Database as a service  
DaaS

Higher  
Service  
Levels

Increased  
agility

- Faster aligning business need.
- Faster provisioning
- Faster / Automatic scale up and scale down

Infrastructure as a service  
IaaS

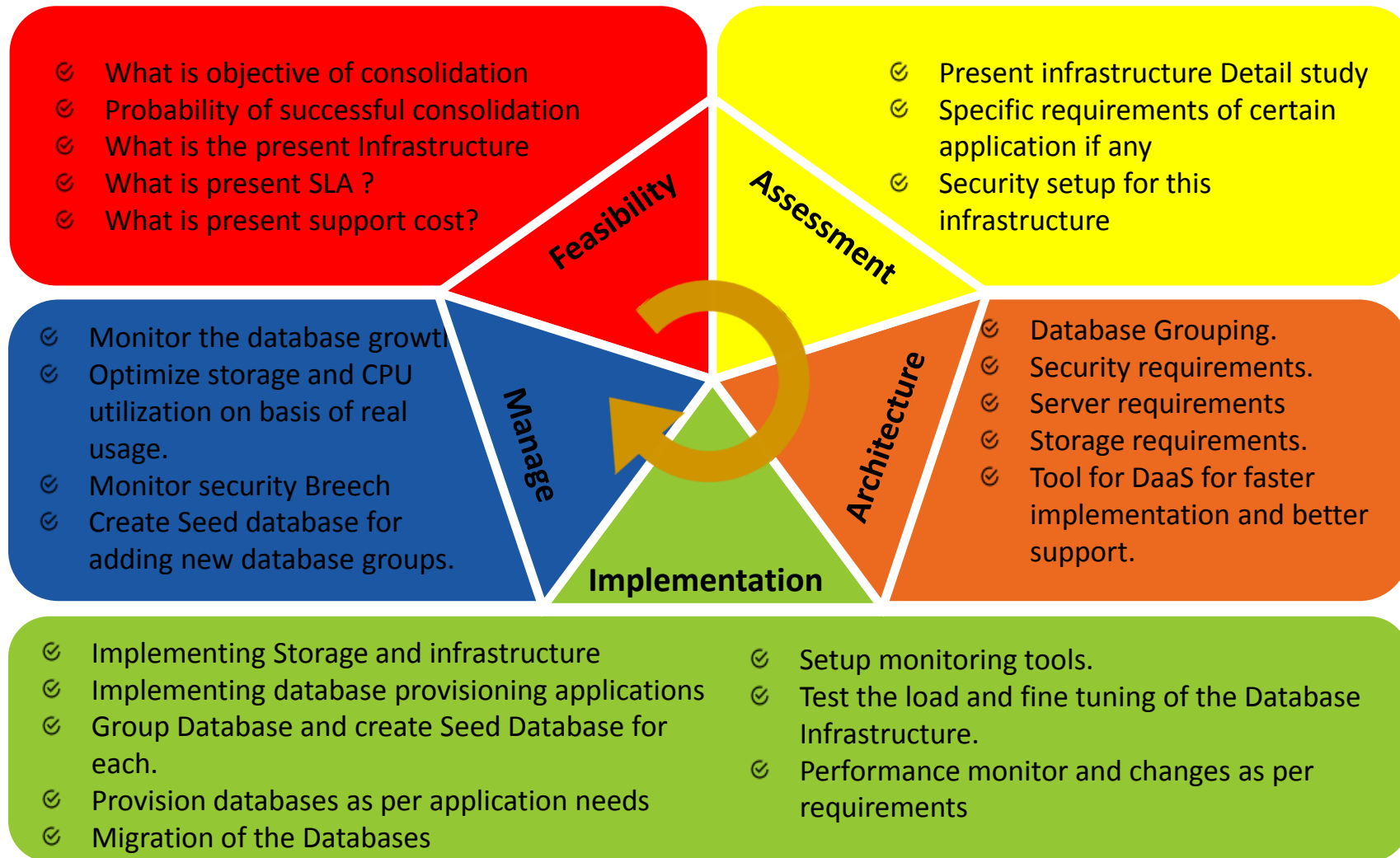
Cost  
Reduction

Reduced  
Complexity

- Less servers
- less Capital investment
- Less Server Operations cost
- Savings on Power
- Environment friendly

- Faster upgrades
- Standardizing the Database operating systems.
- Easy Manageability of Database infrastructure

# Database Consolidation – Our Approach



# Database Consolidation – Our Capability



## Cloud Implementation

- Implementation and Support of database on Cloud products
- MS SQL server on Azure
- Oracle Database Cloud solutions
- Database on AWS Cloud

## DBaaS

- Consolidation of multiple database server to one Engineered Database Infrastructure.
- Faster Provisioning of database
- Efficient and controlled Self service Database provisioning.

## Schema Consolidation

- Schema consolidation Fitment Analysis
- Performance and Database Parameter changes to suit consolidated schema
- Schema Migrations and Consolidation Planning.

## Database Consolidation

- Consolidation using Oracle Database 12c
- Consolidation of databases on Microsoft SQL Server

Database

# Database Infrastructure



## Hardware



## Cloud



## Virtualization



## Capability

### Infrastructure Services and Consulting.

- Design Database Infrastructure
- Procurement Consulting.
- Implementation at site
- Database on Cloud server Implementation and Support
- Virtualization Design and Implementation and support.
- Operating System Installations of Windows / Linux .



# Oracle Engineered Systems

## Consulting

- Engineered system Fitment
- Feasibility Study
- Implementation Plans and Roadmaps.

## Installation & Configuration

- High Availability
- Exadata Machine Configuration
- Backup strategy Implementation

## Migration Services

- Migration Process and Documentation
- Non Oracle / oracle to Exadata Migration
- Oracle EBS on Exadata

## Tuning & Value Add Services

- Database as a service implementation
- Zero downtime migration using Golden Gate
- Database and application performance tuning after implementation

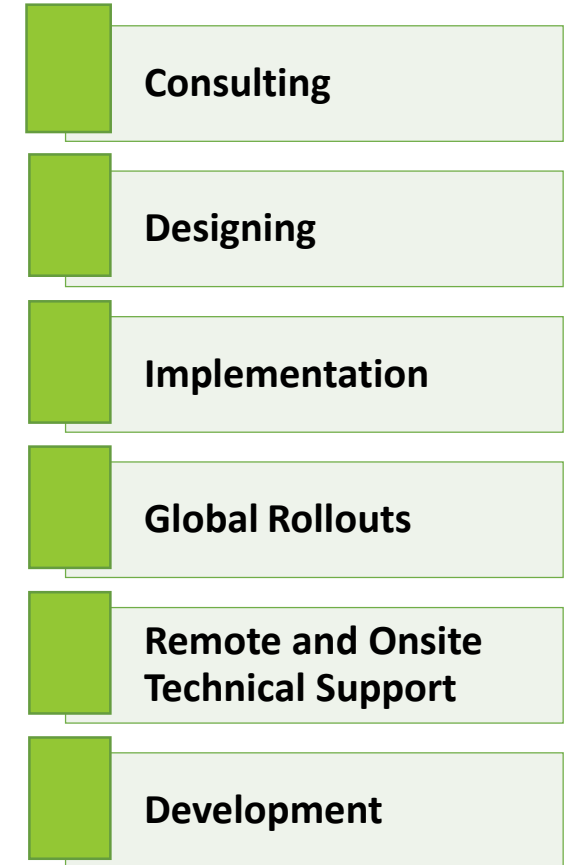
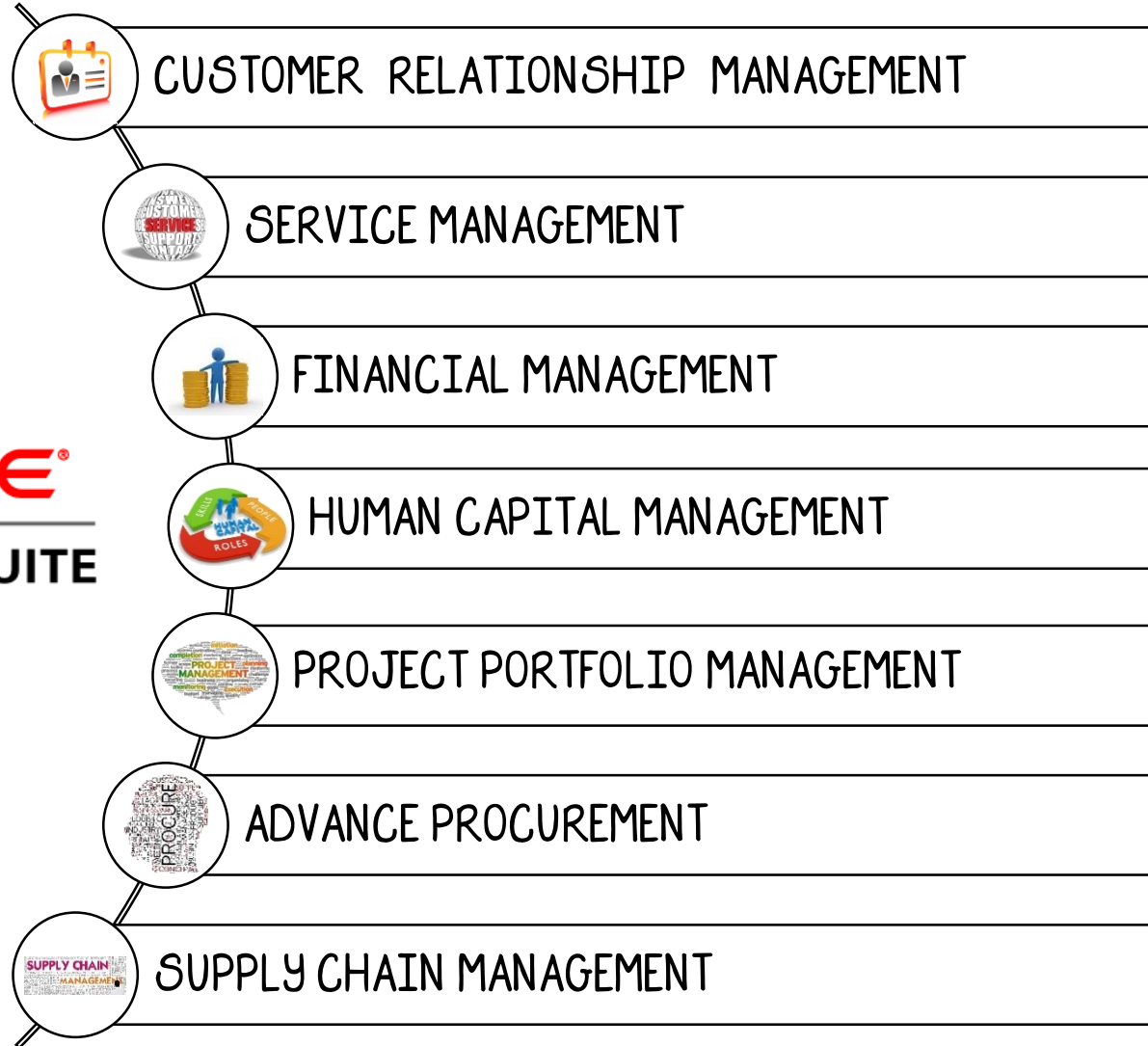


## Database Designing and Development





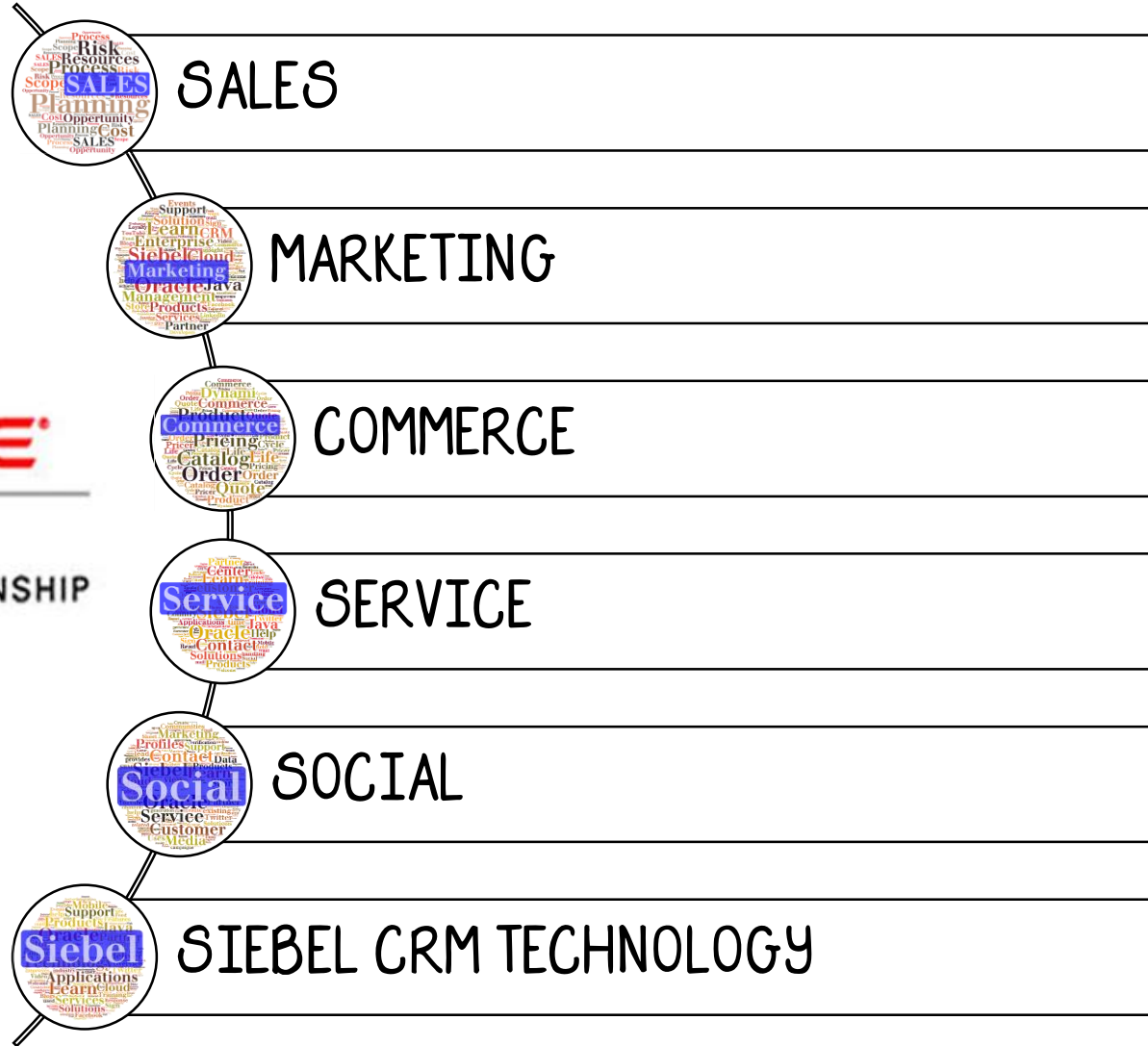
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